



Gulf of Mexico Harmful Algal Bloom Bulletin

24 September 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: September 17, 2007

Conditions Report

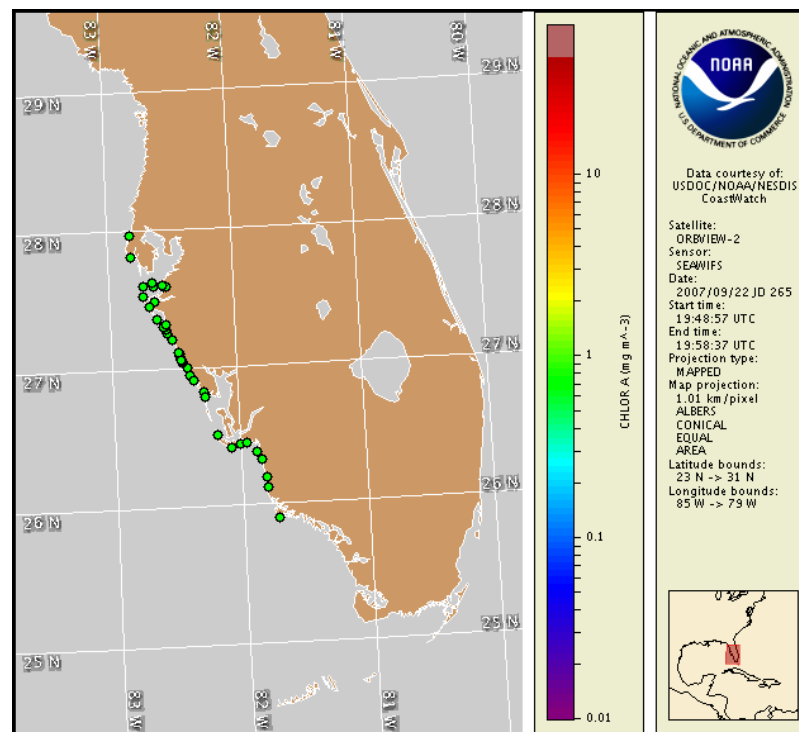
There is currently no indication of harmful algal bloom presence alongshore southwest Florida. No impacts are expected at the coast in any Florida counties today through Sunday, September 30.

Analysis

Recent samples indicate that the harmful algae *Karenia brevis* is not currently present along the coast of southwest Florida (9/17-21, FWRI). Tropical Storm JERRY has resulted in cloudy imagery and limits analysis. Reports of discolored water offshore of Pinellas County are possible due to non-harmful algae (9/21, FWRI).

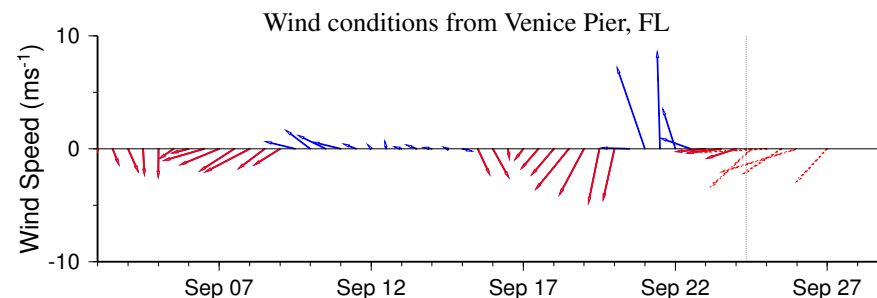
Upwelling favorable winds today and Tuesday followed by variable, onshore winds on Wednesday, Thursday and Friday. Sampling is recommended due to continued upwelling favorable conditions and likely resuspension of nutrients from Tropical Storm JERRY.

~Fenstermacher, Urizar



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from September 17 to 19 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

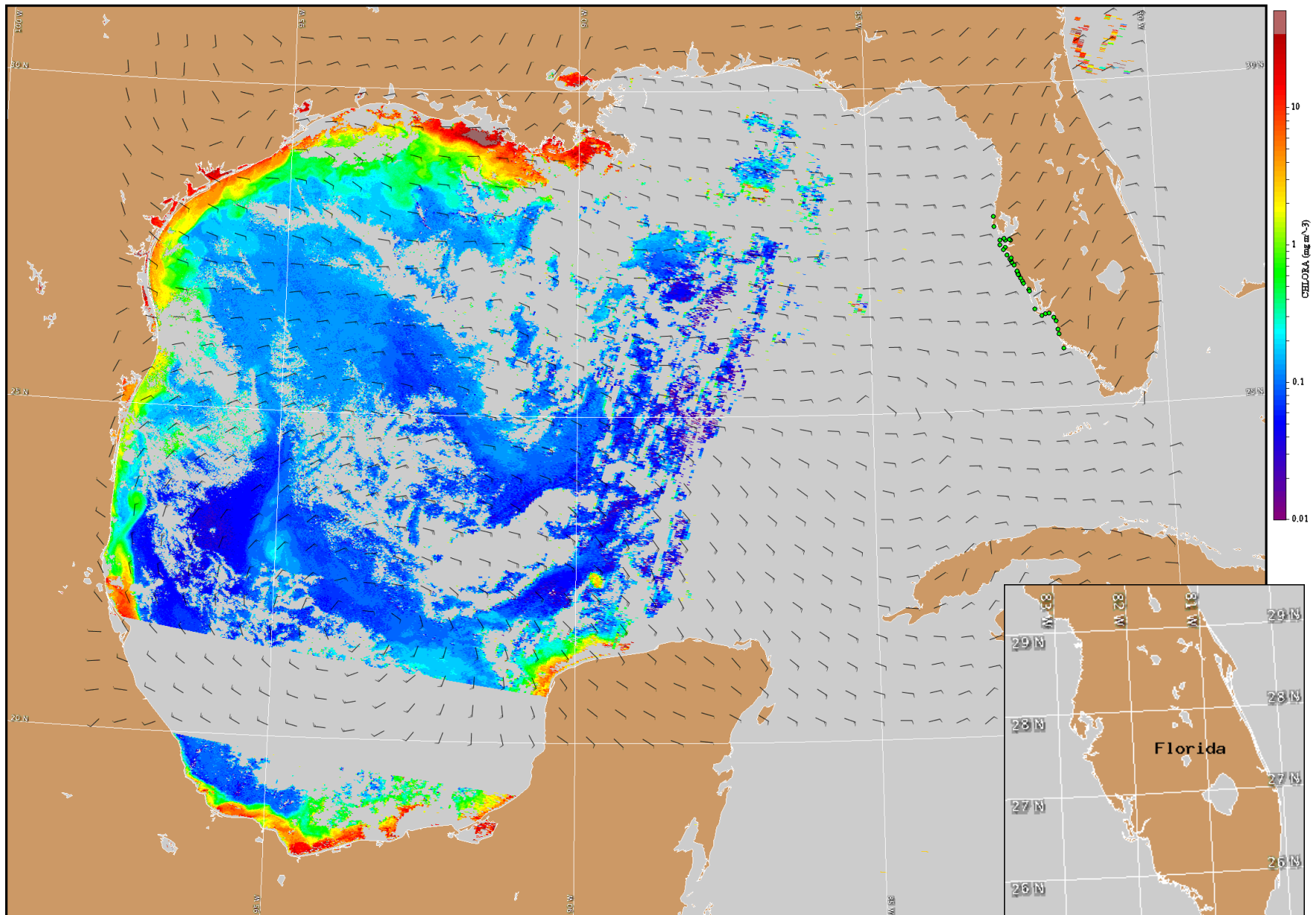


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Easterlies today through Tuesday, followed by southeasterlies Tuesday night (5-15 knts; 3-8 m/s). South to southwesterlies on Wednesday and Thursday (5-10 knts; 3-5 m/s). Winds ranging from southwesterlies to northwesterlies on Friday (5-10 knts; 3-5 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for September 25, 2007 06Z with Cell concentration sampling data from September 17 to 19 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habfs/habfs_bulletin_guide.pdf

Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).

Wind conditions from Naples, FL

